

ABSTRACT

A phosphor for converting ultraviolet light or blue light emitted from a light emitting element into a visible white radiation having a high level of color rendering properties, containing a light emitting component prepared from a solid system of an alkaline earth metal antimonate and a system derived from the solid system and exhibiting intrinsic photoemission, such as a fluoroantimonate, a light emitting component prepared from a manganese(IV)-activated antimonate, a titanate, silicate-germanate, and an aluminate, a light emitting component prepared from a europium-activated silicate-germanate or from a system containing a sensitizer selected from a group consisting of europium (II) and manganese (II) as a secondary activator and having an orange color or a dark red color in the spectrum range over 600 nm, or a light emitting component composed of a mixture of eight or less light emitting components having different emission bands and brought to a state of continuous emission of about 380 to 780 nm exhibiting a color temperature of about 10,000 to 6,500 K and a color temperature of about 3,000 to 2,000 K by virtue of the superposition of the light emitting bands.